

6 monitoring if correct reception of the transmitted units
7 occurred; and

8 transmitting second information units associated with the first
9 information units, for which first information units the monitoring
10 did not indicate correct reception occurred, at a second power level
11 which is greater than the first power level, the second information
12 units allowing the content of the first information units to be
13 established;

14 wherein the first power level is selected to increase a
15 probability of failed first information units transmission and of
16 consequent second information units transmission and to minimize
17 average power consumption taking into account the first power level
18 and the second power level, said first power level being the lowest
19 level to correspond to a maximum allowable probability of failed
20 first information units transmission and said consequent second
21 information units transmission.

12. (Twice Amended) A digital wireless communications system

comprising:

at least one transmitter having means for transmitting first
information units at a first power level;

at least one receiver having means for receiving the
transmitted information units;

7 control means for controlling the transmitter output power; and
8 monitoring means for monitoring if correct reception of the
9 transmitted units occurred at the receiver,

10 wherein the transmitting means transmits second information
11 units associated with the first information units for which first
12 information units the monitoring means does not indicate correct
13 reception has occurred, the second information units being
14 transmitted at a second power level that is greater than the first
15 power level, the second power level being selected by the control
16 means, and wherein the second information units allow the content of
17 the first information units to be established, and

18 wherein the control means selects the first power level to
19 control the average power consumption of the transmitter in order to
20 increase a probability of failed first information units
21 transmission and of consequent second information units transmission
22 and to minimize average power consumption taking into account the
23 first power level and the second power level.

1 13. (Twice Amended) A transmitter station for digital wireless
2 transmission of traffic information to a receiver, said transmitter
3 station comprising:

4 a transmitter for transmitting first information units at a
5 first power level;

6 control means for controlling the transmitter output power; and
7 monitoring means for monitoring if correct reception of the
8 transmitted units occurred at the receiver,

9 wherein the transmitter transmits second information units
10 associated with the first information units for which first
11 information units the monitoring means does not indicate correct
12 reception has occurred, the second information units being
13 transmitted at a second power level that is greater than the first
14 power level, the second power level being selected by the control
15 means, and wherein the second information units allow the content of
16 the first information units to be established, and

17 wherein the control means selects the first power level to
18 control the average power consumption of the transmitter in order to
19 increase a probability of failed first information units
20 transmission and of consequent second information units transmission
21 and to minimize average power consumption taking into account the
22 first power level and the second power level.

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1 14. (Once Amended) A method of transferring traffic
2 information in units over a wireless digital communications link
3 between a transmitting station and a receiving station comprising
4 the steps of:
5 transmitting first information units at a first power level;

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6 monitoring if correct reception of the transmitted units
7 occurred; and
8 transmitting second information units associated with the first
9 information units, for which first information units the monitoring
10 did not indicate correct reception occurred, at a second power level
11 which is greater than the first power level, the second information
12 units allowing the content of the first information units to be
13 established;
14 wherein the first power level is selected to control the
15 average power consumption of the transmitting station in order to
16 increase a probability of failed first information units
17 transmission and of consequent second information units transmission
18 and to minimize average power consumption taking into account the
19 first power level and the second power level.

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1 --15. (New) A transmitter station comprising:
2 a transmitter which transmits first information at a first
3 power level and transmits second information which include at least
4 portions of said first information at a second power level upon
5 indication that said at least portions have not been correctly
6 received by a receiver, said second power level being greater than
7 said first power level; and